

42390P16989

**Amendments to the Claims**

1(Previously presented). A method to demodulate a signal comprising:  
receiving modulated data by an antenna;  
configuring a first datapath from several predefined configurations to receive the modulated data from the antenna, wherein the configuration selected for the first datapath corresponds to a protocol of the received modulated data;  
configuring a second datapath from the several predefined configurations to receive the modulated data from the antenna, wherein the configuration selected for the second datapath corresponds to a protocol of the received modulated data; and  
operating the first and second datapaths in parallel to demodulate the received modulated data of multiple users.

2(Previously presented). The method of claim 1 wherein configuring the first datapath further includes using a first controller to provide the configuration selected for the first datapath and configuring the second datapath includes using a second controller to provide the configuration selected for the second datapath.

3(Previously presented). The method of claim 1 further including using a first output buffer coupled to the first datapath and a second output buffer coupled to the second datapath to store data for the multiple users.

Claims 4-16 (Canceled).

42390P16989

17(Previously presented). A system for demodulating signals comprising:  
an antenna;  
first and second datapaths coupled to the antenna; and  
a first controller to select a protocol and configure the first datapath to accept modulated data from the antenna and provide demodulated data in accordance with the protocol and a second controller to configure the second datapath to operate in parallel with the first datapath.

18(Currently amended). The system of claim 17 further including a first an input buffer to store the data received by the antenna and provide the data to the first datapath and ~~a second input buffer coupled to the antenna to provide data to the second datapath.~~

19(Previously presented). The system of claim 17 further including a first output buffer for storing the demodulated data from the first datapath and a second output buffer coupled to the second datapath.